

character of coast at any part of the British Islands suggests to us its productions. Yet are there some species so far influenced by latitude, as not to be found further south than our more northern shores, and others again not further north than our more southern coasts: in such cases our shores are the extreme limits of the species in the respective directions. Further we need not here enter into this subject, but instead, call upon our author to give us all the information in his power.

The 'History of British Sea-weeds' we can most faithfully recommend for its scientific, its pictorial, and its popular value. The professed botanist will find it a work of the highest character. Persons who have not commenced the study, or who desire merely to know the names and history of the lovely plants which they gather on the margin of the sea, will find in it when complete the faithful portraiture of every one of them. Those who have not that happy privilege, but in "close cities pent," or confined to the inland country, will have before them pictorial representations only less fresh and glowing than the beautiful originals; and those who merely desire what the French call a work of luxury for the drawing-room table, will, owing to the extreme variety and delicacy of form of the objects, combined with the most glowing colours, find that no work at the same cost is more attractive, or should be preferred before it.

PROCEEDINGS OF LEARNED SOCIETIES.

ZOOLOGICAL SOCIETY.

November 25, 1845.—William Horton Lloyd, Esq., in the Chair.

A paper was read containing "Descriptions of fourteen new species of *Helix*, belonging to the collection of H. Cuming, Esq.," by Dr. L. Pfeiffer:—

1. *HELIX ALBOCINCTA*, Pfr. *Hel. testá umbilicatá, orbiculato-convexá, tenuiusculá, supernè regulariter et confertim striatá, sericiná, fulvo-corneá, carinatá; spirá depresso-conicá, apice obtuso; anfractibus 5½ convexis, cariná albá cinctis, ultimo basi sublævigato, lineis subtilibus, concentricis notato; umbilico mediocri, pervio; aperturá obliquá, angulato-lunari; peristomate simplice, acuto.*

Diam. 11, alt. 5 mill.

Collected by Mr. Cuming at Himamaylan, island of Negros.

2. *HELIX BOHOLENSIS*, Pfr. *Hel. testá imperforatá, depressá, lenticulari, acutè carinatá, tenui, corneo-albidá; spirá convexiusculá; anfractibus 7 planulatis, regulariter confertim striatis, juxta carinam lineis 2 acutè elevatis approximatis cinctis, ultimo basi convexiusculo, striatulo, medio vix impresso, anticè non descendente; aperturá verticali, depressissimá, latè angulato-lunari; peristomate simplice, acuto, margine supero brevissimo.*

Diam. 14, alt. 6 mill.

Var. *minor*, *anfractibus 6½*. Diam. 10, alt. 4 mill.

Collected by Mr. Cuming at Loboc, island of Bohol.

3. *HELIX CYATHUS*, Pfr. *Hel. testâ umbilicatâ, orbiculato-conicâ, supernè arcuatim costulato-striatâ, unicolore fuscâ; spirâ elevatâ, obtusè conicâ; suturâ distinctâ, crenulato-marginatâ; anfractibus 6½ convexiusculis, ultimo carinato, basi sublævigato, planiusculo; umbilico magno, profundo, cyathiformi; aperturâ subverticali, angulato-lunari; peristomate simplice, margine supero recto, basali arcuato, reflexiusculo, columellari breviter descendente.*

Diam. 8, alt. $4\frac{1}{2}$ mill.

Collected by Mr. Cuming at S. Jaun, province of Cagayan, island of Luzon, on the leaves of trees.

4. *HELIX DUBIOSA*, Pfr. *Hel. testâ imperforatâ, depresso-globosâ, tenui, obsoletè malleatâ, fulvâ, fasciâ suturali et areâ columellari nigro-rufis, fasciis plurimis angustis epidermidis hydrophanæ albidæ ornatâ; spirâ subsemiglobosâ; anfractibus 4 convexiusculis, celeriter accrescentibus; columellâ intrante, planulatâ, declivi; aperturâ lunato-rotundatâ, intus margaritaced; peristomate tenui, albo, latè expanso, vix reflexiusculo, margine basali cum columellâ angulum obsoletum formante.*

Diam. 35, alt. 26 mill.

β. *Fasciis 2 nigricantibus ad peripheriam.*

Collected by Mr. Cuming on the island of Samar. This is the shell figured by Mr. Reeve under the name of *H. decipiens*, Sowerby (*Conchologia Systematica*, vol. ii. pl. 145. fig. 16); it is nearer allied to *H. mirabilis*, Fér., but may be distinguished as a good species.

5. *HELIX FILOCINCTA*, Pfr. *Hel. testâ perforatâ, depressâ, tenui, pellucidâ, corned, striatulâ, nitidâ; spirâ parùm elevatâ, obtusâ; anfractibus 5½ convexiusculis, carinatis, ultimo basi convexo; carinâ filiformi, in anfractibus superioribus conspicud, sed non exsertâ; aperturâ verticali, lunato-subauriformi; peristomate simplice, recto, margine columellari perobliquo, elongato, descendente, ad dextram subitò ascendente.*

Diam. 11, alt. $5\frac{1}{2}$ mill.

Collected by Mr. Cuming at Cagayan, province of Misamis, island of Mindanao.

6. *HELIX GOULDI*, Pfr. *Hel. testâ umbilicatâ, orbiculato-conicâ, tenuiusculâ, subtiliter striatulâ, vix nitidulâ, unicolore fuscâ; spirâ elevatâ, conoidâ; anfractibus 6 convexiusculis, ultimo carinato, anticè subrotundato, basi planiore; umbilico mediocri, pervio; aperturâ lunato-orbiculari; peristomate simplice, marginibus subconniventibus, dextro recto, columellari subdilato, patente, basali reflexiusculo.*

Diam. $9\frac{1}{2}$, alt. 6 mill.

Collected by Mr. Cuming in the province of Laguna, island of Luzon, and on the island of Negros.

7. *HELIX ORTHOSTOMA*, Pfr. *Hel. testâ umbilicatâ, depressâ, supernè confertim subarcuato-striatâ, tenui, pellucidâ, pallidè corned; spirâ vix elevatâ, obtusâ; anfractibus 6 angustis, convexiusculis, ultimo basi sublævigato; umbilico majusculo, cylindraceo; aperturâ*

verticali, obliquè lunari; peristomate simplice, acuto, margine supero brevi, basali valdè arcuato, columellari dilatato, sinuato.

Diam. 10, alt. 5 mill.

Collected by Mr. Cuming at Dingle, island of Panay, under decayed leaves.

8. *HELIX STRIGILIS*, Pfr. *Hel. testá umbilicatá, depressá, lenticulari, tenui, pellucidá, pallidè corned, acutè carinatá; anfractibus 6 angustis, vix convexiusculis, supernè confertim costulato-striatis, lineis elevatis concentricis reticulatis, ultimo basi convexiore, lævigato, nitido; umbilico mediocri, cylindrico; aperturá subverticali, angulato-lunari; peristomate simplice, acuto, margine supero brevi, strictiusculo, basali valdè arcuato.*

Diam. 12, alt. $5\frac{1}{2}$ mill.

Collected by Mr. Cuming at Himamaylan, island of Negros.

9. *HELIX CONSPERSULA*, Pfr. *Hel. testá imperforatá, turbinatá, striatá, opacá, tenuiusculá, stramineá vel cinnamomeá, punctis albis confertissimè conspersá; spirá conoided, apice obtusiusculo, nigricante; suturá mediocri, castaneo-marginatá; anfractibus 6 convexiusculis, ultimo subangulato, basi planiusculo; columellá obliquá, subarcuatá, subexcavatá, albá, castaneo-marginatá; aperturá amplá, lunato-ovali; peristomate simplice, breviter expanso.*

Diam. $23\frac{1}{2}$, alt. 15 mill.

Hab. — ?

10. *HELIX HARTMANNI*, Pfr. *Hel. testá umbilicatá, depressá, subdiscoideá, acutè carinatá, arcuatim distinctè striatá, unicolore fuscá; spirá vix elatá; suturá lineari; anfractibus 6 planulatis, ultimo non descendente, basi convexiusculo; umbilico magno, perspectivo; aperturá depressá, securiformi; peristomate recto, margine supero simplice, antrorsum arcuato, basali subincrassato.*

Diam. 26, alt. 8 mill.

Hab. — ?

11. *HELIX HELICOPHANTOIDES*, Pfr. *Hel. testá perforatá, depressá, tenui, obliquè et confertim costulato-striatá, stramineá, rufo tessellatá et strigatá; spirá planiusculá; anfractibus $3\frac{1}{2}$ vix convexiusculis, rapidè crescentibus, ultimo depresso; aperturá perobliquá, amplá, subovali; peristomate simplice, acuto, marginibus approximatis, callo tenuissimo junctis.*

Diam. maj. $4\frac{2}{3}$, alt. 2 mill. (Spec. max. coll. Cuming.)

Hab. Island of Juan Fernandez.

The shape of this shell is very like that of *Helicophanta rufa*. Perhaps it may belong to the same genus.

12. *HELIX MARMORELLA*, Pfr. *Hel. testá perforatá, depressá, tenuissimá, distanter costulatá, pellucidá, stramineá, strigis obliquis et maculis rufis marmoratá; spirá planá; anfractibus 3 vix convexiusculis, rapidè accrescentibus, ultimo basi pauld convexiore; aperturá perobliquá, amplá, lunato-ovali; peristomate simplice, acuto, marginibus callo tenui junctis, supero antrorsum arcuato.*

Diam. 7, alt. 3 mill.

Hab. Island of Juan Fernandez.

13. *HELIX KINGI*, Pfr. *Hel. testá umbilicatá, depressá, sub lente confertissimè striatá, tenui, diaphaná, stramineá, rufo-flammulatá et 1-2-fasciatá; spirá depressá; anfractibus 5½ convexiusculis, celeriter accrescentibus; umbilico majusculo, perspectivo; aperturá lunato-ovali; peristomate simplice, acuto, marginibus conniventibus, columellari subdilatato, patente.*

Diam. 7, alt. 3 mill. (Spec. max. coll. Cuming.)

Hab. Island of Juan Fernandez.—An *H. pusio*, King?

14. *HELIX RADIELLA*, Pfr. *Hel. testá umbilicatá, depressá, sub-lenticulari, tenui, utrinque confertim costulatá, corned, strigis crebris undatis, castaneis, ad peripheriam latioribus radiatá; spirá vix elevatá; anfractibus 5½ convexiusculis, ultimo subangulato, basi planiusculo; umbilico mediocri, pervio; aperturá subverticali, latè lunari; peristomate simplice, tenui.*

Diam. $4\frac{3}{4}$, alt. $2\frac{1}{2}$ mill.

Collected by Mr. Cuming on the island of Opara.

A paper was also read containing "Descriptions of thirty-six new species of *Helix*, belonging to the collection of H. Cuming, Esq.," by Dr. L. Pfeiffer:—

1. *HELIX INCEI*, Pfr. *Hel. testá umbilicatá, depresso-globosá, solidulá, striatá, sub epidermide pallidè fulvá albá, fasciis angustis castaneis cingulatá; spirá elevatá, acutiusculá; anfractibus 7 vix convexiusculis, ultimo circa umbilicum mediocrem, pervium sub-compresso; columellá arcuatá; aperturá perobliquá, lunato-ovali; peristomate albo, tenui, intus sublabiato, margine dextro vix expanso, basali reflexo, columellari in laminam triangularem dilatatá, umbilicum semitegente.*

Diam. 38, alt. 28 mill.

β. *Minor, epidermide castanea, fasciis indistinctis, anfractu ultimo basi flavo.*

Diam. 32, alt. 21 mill.

From North Australia, collected by Lieut. Ince, R.N.

2. *HELIX JONASI*, Pfr. *Hel. testá imperforatá, globoso-conoided, solidiusculá, lævigatá, non nitens, pallidè virescens; spirá obtusè conicá; anfractibus 5 convexiusculis, ultimo basi subplanato; columellá albá, obliquá; aperturá lunari; peristomate breviter incrasato, margine columellari subdilatato, adpresso.*

Diam. 28, alt. 24 mill.

β. *Tenuior, apice rubicundo, anfractu ultimo basi nigricante, fascia angusta, nigra ad suturam: H. dimera, Jonas.*

From the Philippine Islands, Mindoro.

3. *HELIX BUSCHI*, Pfr. *Hel. testá imperforatá, conico-globosá, solidiusculá, tenuiter striatá, parùm nitidulá, citriná; spirá conoided, obtusiusculá; anfractibus 5½ convexiusculis, ultimo rotundato; columellá subobliquá, strictá, dilatatá, albo-callosá; aperturá rotundato-lunari, intus nitidá, concolore; peristomate tenui, albo, breviter expanso, margine basali cum columellari angulum formante.*

Diam. 23, alt. 23 mill.

From the island of Mindoro.

4. *HELIX PELODES*, Pfr. *Hel. testá umbilicatá, subglobosá, tenuiusculá, striatá et minutè granulatá, rubello-fusca; spirá brevi, obtusiusculá; anfractibus 6 convexiusculis, ultimo inflato, anticè breviter descendente; umbilico mediocri, pervio; aperturá lunato-orbiculari, intus margaritacéa; peristomate expanso, saturatè carneo, margine columellari per dilatato, fornicatim reflexo.*

Diam. 31, alt. 20 mill.

From the north coast of Australia: found under decayed leaves (Lieut. Ince, R.N.).

5. *HELIX HARTWEGI*, Pfr. *Hel. testá umbilicatá, depressá, carinatá, solidulá, striatulá, fusca; spirá vix elevatá; anfractibus 5 planulatis, ultimo basi pauld convexiore, anticè non descendente; umbilico angusto, pervio; aperturá perobliquá, irregulariter subquadratá; peristomate albo, incrassato, breviter reflexo, marginibus callo junctis, dextro sinuoso, basali subrecto, dilatato, introrsum calloso, dente unico interposito.*

Diam. 23, alt. 12 mill.

From El Catamaija, near Loxa, republic of the Equator (Hartweg).

6. *HELIX LEPTOGRAMMA*, Pfr. *Hel. testá umbilicatá, globosá, tenui striatá, lineis impressis, concentricis, confertis, sculptá, carneo-albidá, supernè fasciis 3-4 angustis, rufis ornatá; anfractibus 4½ convexiusculis, ultimo inflato, anticè breviter descendente; aperturá vix obliquá, rotundato-lunari, intus concolore; peristomate albo, simplice, breviter expanso, marginibus callo tenuissimo diffuso junctis, columellari valdè dilatato, albo, nitido, reflexo, umbilicum angustum semioccultante.*

Diam. 17, alt. 13 mill.

From Cygnet Bay, North Australia (Lieut. Ince, R.N.).

7. *HELIX GILBERTI*, Pfr. *Hel. testá umbilicatá, depressá, distinctè striatá, minutissimè granulatá, tenui, pallidè corneá, lined rufá ad suturam cinctá; anfractibus 4½ convexiusculis, ultimo basi convexo; umbilico mediocri, pervio; aperturá rotundato-lunari; peristomate simplice, recto, margine columellari parùm dilatato, reflexo.*

Diam. 16, alt. 9 mill.

From Darling Downs, East Australia (Gilbert).

8. *HELIX ZONITES*, Pfr. *Hel. testá umbilicatá, depressá, tenui, diaphand, confertim costulato-striatá, lutescenti-corneá; spirá vix clatá; anfractibus 6 convexiusculis, regulariter accrescentibus, ultimo supra medium lined rufá, ad apicem usque conspicuá ornato, basi leviore, subplanulato; umbilico mediocri, pervio; aperturá depressá, obliquè lunato-ovali; intus margaritacéa; peristomate simplice, recto, margine columellari breviter patente.*

Diam. 25, alt. 12½ mill.

Hab. Unknown.

9. *HELIX GRIFFITHI*, Pfr. *Hel. testá umbilicatá, globoso-depressá, solidiusculá, levigatá, supernè leviter striatulá, corneo-lutescente; spirá breviter elevatá, conoïded; anfractibus 6 convexiusculis, ul-*

timo ad suturam castaneo-marginato, ventroso; umbilico mediocri, pervio; aperturá vix obliquá, amplá, rotundato-lunari, intus margaritaceá; peristomate simplice, acuto, marginibus callo tenuissimo junctis, columellari breviter patente.

Diam. 26, alt. 14 mill.

Locality unknown.

10. HELIX KOCHI, Pfr. *Hel. testá umbilicatá, globoso-depressá, solidulá, obliquè distinctè striatá, albidd, fasciis pluribus rufis ad peripheriam ornata; spirá parùm elevatá, obtusiusculá; anfractibus 6 convexis, sensim accrescentibus, ultimo subcylindrico; umbilico magno, pervio; aperturá lunato-orbiculari, intus concolore, nitidd; peristomate simplice, acuto, marginibus conniventibus, dextro antrorsum arcuato, columellari dilatato, patente.*

Diam. 30, alt. 16 mill.

Locality unknown.

11. HELIX VARIOLOSA, Pfr. *Hel. testá perforatá, depressá, acutè carinatá, solidulá, opacá, lutescente, supernè confertissimè plicatá, lineisque concentricis irregulariter decussatá, pustulis albis subfasciatim obsitá; spirá planiusculá; anfractibus $3\frac{1}{2}$ vix convexiusculis, rapidè crescentibus, ultimo basi convexo, infra carinam compresso; columellá brevi, verticali; aperturá latè securiformi; peristomate simplice, acuto, margine columellari breviter reflexo.*

Diam. 23, alt. 10 mill.

Locality unknown.

12. HELIX INDUTA, Pfr. *Hel. testá perforatá, lenticulari, acutè carinatá, solidá, supernè confertim plicato-striatá, lineis confertis concentricis decussatá, subtùs striatá, spadicé, basi pallescente, circa perforationem castaneo-areolatá, epidermide tenuissimá corneo-grised undique indutá; anfractibus 5 planis, sensim accrescentibus; aperturá subrhombéd; peristomate simplice, margine columellari vix reflexiusculo.*

Diam. 21, alt. 11 mill.

Locality unknown.

13. HELIX BILINEATA, Pfr. *Hel. testá umbilicatá, depressá, tenui, nitidd, pellucidá, lævigatá, lutescenti-cornéd; spirá planiusculá; suturá striolatá; anfractibus 5 vix convexiusculis, regulariter crescentibus, ultimo subdepresso, lineis 2 castaneis, alterá supra peripheriam, alterá suturali ad apicem usque conspicuá ornato; umbilico angusto; aperturá obliquè lunari; peristomate simplice, acuto, margine columellari brevissimè reflexo.*

Diam. 15, alt. 7 mill.

Locality unknown.

14. HELIX BELCHERI, Pfr. *Hel. testá latè umbilicatá, depressá, tenui, diaphaná, supernè confertim costulato-striatá, subtùs sublævigatá, nitidd, concolore corneo-ceréd; spirá vix convexá; anfractibus 5 vix convexiusculis, ultimo basi subplanulato; aperturá obliquá, lunato-ovali; peristomate simplice.*

Diam. $8\frac{1}{3}$, alt. 4 mill.

Locality unknown. Brought by the 'Sulphur,' Capt. Belcher.

15. *HELIX CERATODES*, Pfr. *Hel. testá subperforatá, globoso-depressá, tenui, minutè striatá, nitidulá, pellucidá, corned; spirá parùm elevatá; anfractibus 5 subplanulatis, celeriter crescentibus, ultimo subdepresso; aperturá amplá, obliquè lunari; peristomate simplice, acuto, margine columellari breviter reflexiusculo, perforationem ferè occultante.*

Diam. $16\frac{1}{2}$, alt. 9 mill.

Collected on the islands of Luzon and Mindoro, by H. Cuming, Esq.

16. *HELIX SPLENDIDULA*, Pfr. *Hel. testá latè umbilicatá, depressissimá, pallidè olivaceo-corned, nitidá, striatulá, lineis concentricis, magis minusve distinctis obsolete reticulatá; spirá planá; sùturá profundá; anfractibus $3\frac{1}{2}$ subplanulatis, celeriter crescentibus, ultimo lato; umbilico lato, perspectivo; aperturá obliquá, lunato-ovali; peristomate simplice, acuto, marginibus conniventibus, dextro obliquè descendente, antrorsum subarcuato.*

Diam. $8\frac{1}{2}$, alt. $3\frac{1}{3}$ mill.

Hab. East Australia, near Torres Strait (Lieut. Ince, R.N.).

17. *HELIX PAPPILLATA*, Pfr. *Hel. testá umbilicatá, depressá, subdiscoideá, solidiusculá, irregulariter striatá, opacá, albidá, spadiceo-nebulosá, saturatiusque strigatá et maculatá; spirá planá, apice papillatim prominente; anfractibus 5 planiusculis, ultimo descendente, depresso-rotundato; umbilico angusto, pervio; aperturá obliquá, lunato-orbiculari; peristomate simplice, acuto, margine columellari vix dilatato.*

Diam. 23, alt. 11 mill.

Locality unknown.

18. *HELIX SPIRULATA*, Pfr. *Hel. testá imperforatá, depressá, lenticulari, subtilissimè striatá, lineis elevatis concentricis utrinque notatá, tenui, fulvá, carinatá; cariná compressá, subæsertá; spirá parùm elevatá; anfractibus 5 lentè crescentibus, supra carinam convexiusculis, ultimo basi vix convexo, medio impresso; aperturá depressá, subrhomboided; peristomate simplice, acuto.*

Diam. 9, alt. 4 mill.

Hab. Real Llejós, Central America; found on trunks of trees (Cuming).

19. *HELIX INSCULPTA*, Pfr. *Hel. testá imperforatá, depressá, utrinque convexiusculá, acutè carinatá, solidulá, castaned, supernè costulis confertis et lineá spirali, carinæ parallelá, insculptá; anfractibus 5 planulatis, ultimo basi lævigato, juxta carinam lineá impressá notato; columellá dente unico brevi, acuto, albo munitá; aperturá depressá, securiformi; peristomate simplice.*

Diam. 8, alt. 4 mill.

Locality unknown.

20. *HELIX SINAITENSIS*, Pfr. *Hel. testá umbilicatá, orbiculato-convexá, tenui, confertim striatá, corned; spirá convexá, obtusá; anfractibus 7 angustis, vix convexiusculis, cariná filiformi cinctis, ultimo basi convexiore; umbilico lato, perspectivo; aperturá rotun-*

dato-lunari; peristomate simplice, margine supero brevi, recto, basali valdè arcuato, breviter reflexo.

Diam. 10, alt. 4 mill.

From Sinait, province of North Ilocos, isle of Luzon (Cuming).

21. *HELIX ANDICOLA*, Pfr. *Hel. testá umbilicatá, depressá, tenui, undique granulátá, opacá, corneo-albidá, fasciis pluribus rufis interruptis, denticulatis vel maculoso-tessellatis tæniatá, interstitiis rufo-flammulatis; spirá planá; anfractibus 4 convexis, ultimo dilatato, rotundato; aperturá rotundato-lunari; peristomate tenui, marginibus callo tenui junctis, supero breviter expanso, basali reflexiusculo, columellari dilatato, reflexo, umbilicum angustum semitegente.*

Diam. 20, alt. 11 mill.

From the Eastern Cordilleras.

22. *HELIX HIANIS*, Pfr. *Hel. testá subobtectè perforatá, depressá, tenui, pellucidá, nitidiusculá, undique regulariter et confertim granulátá, pallidè cornéa, strigis angustis, rufis, approximatis, undulatis, interdum ramosis, et ad suturam fasciá pallidá, maculis irregularibus rufis tessellatá ornátá; spirá planá; anfractibus 4½ convexis, ultimo inflato, subcompresso, anticè vix descendente; aperturá subobliquá, amplá, lunato-rotundatá, intus concolore; peristomate tenui, expanso, marginibus distantibus, supero expanso, basali breviter reflexo, columellari membranaceo-dilatato, fornicatim reflexo, perforationem tegente.*

Diam. 25, alt. 12 mill.

Locality unknown.

23. *HELIX RECTANGULA*, Pfr. *Hel. testá imperforatá, orbiculato-conicá, solidá, striatulá, griseo-stramineá, arcá basali, lined suturali et fasciis latis castaneis ornátá; spirá elevatá, obtusá; anfractibus 6-6½ convexiusculis, ultimo subrectangulè carinato, basi planiusculo, medio subexcavato; aperturá depressá, subtrapezid, margine columellari incrassato, calloso-subunidentato.*

Diam. 13, alt. 10 mill.

From the Marquesas islands (M. Rohr).

24. *HELIX NYSTIANA*, Pfr. *Hel. testá latè umbilicatá, depressá, subdiscoideá, tenui, sub lente minutissimè granulato-striatá, haud nitente, pallidè cornéa, fasciis angustis, rufis 3-4 circumdatá; spirá vix elevatá; anfractibus 4 convexis, ultimo anticè subdeflexo, basi vix latiore; umbilico latissimo; aperturá perobliquá, suborbiculari; peristomate simplice, marginibus ferè contiguís, supero recto, basali breviter reflexo.*

Diam. 11, alt. 4 mill.

From Real Llejos, Central America (Cuming).

25. *HELIX NILAGRICA*, Pfr. *Hel. testá latè umbilicatá, depressá, discoideá, striatá, corneo-albidá, lined unicá rufá supra peripheriam cinctá; spirá planiusculá; anfractibus 5 convexiusculis, lentè accrescentibus, ultimo anticè abruptè deflexo; umbilico latissimo, anfractum penultimum latè monstrante, medio angusto, per-*

vio; aperturá parvá, horizontali, rotundato-ovali; peristomate albo, sublabiato, reflexo, marginibus contiguís.

Diam. $14\frac{1}{2}$, alt. $5\frac{1}{2}$ mill.

From the Neelgherries, East Indies.

26. *HELIX TUMIDA*, Pfr. *Hel. testá imperforatá, globosá, solidá, rugoso-striatá, nitidiusculá, sub epidermide sordidè viridí, saturatius radiatá albá; spirá parvulá, elevatá; anfractibus 5 tumidis, ultimo permagno; columellá subverticali, elongatá, basi subtortá, albo-callosá; aperturá amplá, lunato-rotundatá, intus cærulescente; peristomate simplice, recto, margine dextro arcuato, basali cum columellá angulum formante.*

Diam. 27, alt. 21 mill.

Locality unknown.

27. *HELIX CAUCASICA*, Pfr. *Hel. testá umbilicatá, globoso-depressá, tenui, subtiliter rugoso-striatá, sub lente granulatá, corneo-albidá, pellucidá, fasciá latá, subopacá ad suturam, angustiore albá ad peripheriam ornatá; anfractibus 6 convexiusculis, ultimo anticè subdeflexo; aperturá lunato-rotundatá; peristomate acuto, expanso, intus callo albo, acuto labiato, margine columellari dilatato, umbilicum angustum, pervium semitegente.*

Diam. 16, alt. 10 mill.

From the Caucasus.

28. *HELIX KNYSNAENSIS*, Pfr. *Hel. testá umbilicatá, globosá, solidiusculá, costulato-striatá, sericiná, corneo-olivacé; spirá brevi, obtusá; anfractibus 4 convexiusculis, ultimo inflato, basi sublævigato, nitidissimo; umbilico angusto, pervio; aperturá rotundato-lunari, intus margaritacé; peristomate simplice, acuto, margine columellari supernè dilatato, patente.*

Diam. 24, alt. 16 mill.

From Knysna, Cape of Good Hope.

29. *HELIX JENYNSI*, Pfr. *Hel. testá subperforatá, turbiniformi, striatulá, tenui, nitidá, carinatá, lacted, supra carinam fusco-unifasciatá; spirá brevi, conicá, acutá; anfractibus $5\frac{1}{2}$ vix convexiusculis, ultimo basi convexiore; aperturá angulato-lunari; peristomate simplice, acuto, margine columellari supernè reflexiusculo, perforationem ferè claudente.*

Diam. 12, alt. $7\frac{1}{2}$ mill.

Locality unknown.

30. *HELIX BRONNI*, Pfr. *Hel. testá imperforatá, semiglobosá, striatulá, sub lente punctatá, nitidulá, castanè, apice obtuso pallidá; anfractibus 5 convexiusculis, ultimo obsolete carinato, basi planiusculo, granulato, cærulescenti-albido, infra carinam fasciá 1 castanè ornato, anticè deflexo, profundè scrobiculato; aperturá subhorizontali, elliptico-oblongá; peristomate latè incrassato, marginibus callo tenui junctis, basali dilatato, reflexo, fusco-maculato, intus 4 dentato; dentibus 2 anticis majoribus, compressis, à margine remotis.*

Diam. 25, alt. 15 mill.

From Jamaica; sent by Mr. Adams with *H. sinuata*, Born, to which it is nearly allied.

31. *HELIX VENTROSULA*, Pfr. *Hel. testá rimato-perforatá, depresso-globosá, tenui, subtiliter striatá, pellucidá, corneo-albidá; spirá vix elevatá; anfractibus 5½ vix convexiusculis, ultimo subitè deflexo, supernè subangulato, basi inflato, anticè gibbo et valdè constricto; aperturá perobliquá, ringente; peristomate acuto, latè reflexo, marginibus vix conniventibus, laminas elevatas, in ventre anfractás penultimi angulatim junctas emittentibus, dextro lamina subperpendiculari dilatatá, basali dentibus 2 acutis munito.*

Diam. 13, alt. $7\frac{1}{2}$ mill.

From Mexico (Hinds), and Texas (Sowerby).

32. *HELIX HINDSI*, Pfr. *Hel. testá umbilicatá, depressá, subtiliter striatá, corneo-lutescente, diaphaná, nitidá; spirá parúm elevatá; anfractibus 5 planiusculis, ultimo basi convexiore, anticè supernè deflexo, subtùs constricto; umbilico angusto, pervio; aperturá perobliquá, lunari, ringente; peristomate breviter reflexo, marginibus conniventibus, callo triangulari, dentiformi, bicurvè junctis, dextro lamellá subverticali, basali dentibus 2 acutis munito.*

Diam. 8, alt. $4\frac{1}{2}$ mill.

From Mexico (Hinds), and Texas (Sowerby).

33. *HELIX HEDENBORGI*, Pfr. *Hel. testá subperforatá, depressissimá, subdiscoideá, acutè carinatá, tenuiusculá, confertim rugoso-striatá, supernè albido et fusco-variegatá, basi subunicolore fuscescente; spirá vix elevatá; anfractibus 5½ planis, non exsertis, ultimo basi vix ventrosiore, anticè non descendente; aperturá depressá, angulato-lunari; peristomate tenui, marginibus subparallelis, supero recto, basali breviter reflexo, columellari vix dilatato, reflexo, adpresso.*

Diam. 18, alt. 6 mill.

On cliffs at the river Baher el Killo, at the Road of Marc Aurel, Egypt (Dr. Hedenborg).

34. *HELIX PLATYODON*, Pfr. *Hel. testá imperforatá, depresso-turbinatá, minutissimè granulato-striatá, albá, fasciis fuscis, alboguttatis ornatá; spirá elevatá, obtusiusculá; anfractibus 6 vix convexiusculis, ultimo basi subplanulato, anticè deflexo; aperturá perobliquá, lunato-ovali, intus albá; peristomate latè expanso, reflexo, marginibus callo albo junctis, columellari perdilatato, adpresso, dente lato compresso munito.*

Diam. 30, alt. 19 mill.

Locality unknown.

35. *HELIX RETUSA*, Pfr. *Hel. testá imperforatá, subglobosá, apice retuso, tenui, lævigato, basi concentricè striolatá, castaneo-fulvá, albo latè strigatá et flammulatá, epidermide hydrophaná, albidá, deciduá partim indutá, sursùm pallescente, castaneo-fasciatá; spirá brevi; anfractibus 4 convexiusculis, ultimo subangulato, vix descendente; columellá intrante, albá, supernè dentato-dilatatá; aperturá rotundato-lunari, intus margaritacéá; peristomate latè expanso.*

Diam. 28, alt. 20 mill.

From the island of Samar; found on leaves of trees (H. Cuming).

36. *HELIX PRATENSIS*, Pfr. *Hel. testá umbilicatá, orbiculato-convexá, ruguloso-striatá, albidá, fasciis 2 castaneis cinctá vel subunicolore; spirá subelevatá; anfractibus 6 convexiusculis, ultimo anticè vix descendente; umbilico mediocri, pervio; aperturá rotundato-lunari; peristomate expanso, intus remotè albo-labiato, marginibus conniventibus, columellari subdilato, patente.*

Diam. 17 alt., $9\frac{1}{2}$ mill.

From the banks of the river Tortoom (As. Russ.); found in damp meadows.

December 9.—William Yarrell, Esq., Vice-President, in the Chair.

A paper was read containing "Descriptions, by Dr. L. Pfeiffer, of new species of Land-Shells from Jamaica, collected by Mr. Gosse."

1. *HELIX PTYCHODES*, Pfr. *Hel. testá umbilicatá, depressissimá, discoïded, tenuissimá, arcuato-plicatá, sub epidermide tenui, fuscá, deciduá hyaliná; spirá planiusculá; anfractibus $4\frac{1}{2}$ —5 planulatis, ultimo basi vix convexiore; umbilico mediocri; aperturá perobliquá, amplá, angulato-lunari; peristomate simplice, acuto.*

Diam. $10\frac{1}{3}$, alt. $3\frac{1}{3}$ mill.

2. *BULIMUS GOSSEI*, Pfr. *Bul. testá rimatá, turrito-cylindraced, obliquè costulatá, albidá, opacá, strigis semilunaribus, punctisque pellucidis corneis ornatá; spirá cylindracedá, apice attenuato, acuto; suturá crenulatá; anfractibus 11 convexis, ultimo $\frac{1}{4}$ longitudinis vix superante, rotundato, basi subangulato; aperturá suborbiculari; peristomate breviter expanso, marginibus approximatis, columellari reflexo, patente.*

Long. 11, diam. $3\frac{2}{3}$ mill.

Nearly allied to *Bul. unicarinatus* and *Bul. turricula*.

3. *CYLINDRELLA GOSSEI*, Pfr. *Cyl. testá subcylindraced, sursum attenuatá, non truncatá, tenui, diaphaná, obliquè et arcuatim leviter costulatá, pallidè corned vel albidá; anfractibus 16 vix convexiusculis, ultimo basi acutè carinato, non protracto; aperturá oblongá, basi subangulatá; peristomate simplice, tenui, breviter expanso, marginibus vix junctis.*

Long. 21, diam. 4 mill.

4. *GLANDINA JAMAICENSIS*, Pfr. *Gland. testá fusiformi-turritá, confertim et verticaliter costatá, nitidá, albidá, strigis raris rufis ornatá; spirá turritá, acutiusculá; suturá crenulatá, submarginatá; anfractibus 10 planiusculis, ultimo $\frac{1}{3}$ longitudinis subæquante, plurivaricoso, infra medium sublevigato, attenuato; columellá subrectá, basi obliquè truncatá; aperturá angustá, semiovali.*

Long. 22, diam. 7 mill.

5. *GLANDINA CURVILABRIS*, Pfr. *Gland. testá oblongo-turritá, solidiusculá, confertissimè costulatá, diaphaná, nitidá, luteo-corned, remotè albido-strigatá; spirá turritá; suturá marginatá; anfrac-*
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tibus 8 planiusculis, ultimo $\frac{3}{7}$ longitudinis subæquante, anticè medio impresso; columellâ verticali, ad basin aperturæ abruptè truncatâ; aperturâ angustâ, oblongâ; peristomate albido-limbato, margine dextro antrorsum curvato.

Long. 16, diam. 5 mill.

6. GLANDINA ARCUATA, Pfr. Gland. testâ fusiformi-turritâ, tenuiusculâ, nitidâ, subarcuatim et confertim costulatâ, succineo-flavidâ, strigis angustis, remotis, arcuatis, rufis, pallidè marginatis ornatâ; spirâ subulatâ, acutâ; suturâ crenulatâ; anfractibus 9 planis, ultimo $\frac{1}{3}$ longitudinis subæquante; columellâ strictiusculâ, breviter truncatâ; aperturâ oblongâ; peristomate simplice.

Long. 13, diam. $3\frac{1}{2}$ mill.

7. ACHATINA ADAMSII, Pfr. (*Bul. costulatus*, Adams). Ach. testâ fusiformi-turritâ, longitudinaliter distinctè costatâ, inter costas basi anfractûs ultimi evanescentes subtilissimè striatâ, corned, strigis rufis irregulariter ornatâ; spirâ turritâ, apice acuto; anfractibus 8 convexis, ultimo $\frac{1}{3}$ longitudinis subæquante; columellâ subrectâ, basi obliquè truncatâ; aperturâ subrhombed.

Long. 7, diam. $2\frac{1}{2}$ mill.

8. ACHATINA GOSSEI, Pfr. Ach. testâ subulatâ, tenui, diaphanâ, cered, remotè costatâ, inter costas in anfractibus ultimis deorsum obsolescentes subtilissimè striatâ; anfractibus 9—10 convexiusculis, ultimo $\frac{1}{4}$ longitudinis vix superante; columellâ obliquâ, basin aperturæ attingente, breviter truncatâ; aperturâ angustâ, oblongâ; peristomate simplice, margine dextro deorsum dilatato.

Long. 12, diam. $2\frac{2}{3}$ mill.

9. ACHATINA ABERRANS, Pfr. Ach. testâ subulatâ, tenui, nitidâ, lineis impressis longitudinalibus, regulariter distantibus notatâ, pallidè succined, strigis rufulis, angustis, obliquis, sparsis ornatâ; spirâ subulatâ, apice acutiusculo; suturâ leviter crenulatâ; anfractibus 7 planiusculis, ultimo $\frac{1}{3}$ longitudinis æquante; columellâ callosâ, torto-subtruncatâ; aperturâ oblongâ; peristomate simplice.

Long. 7, diam. 2 mill.

This species belongs to a peculiar aberrant group of the genus *Achatina*, of which the type seems to be *Ach. columnaris*. The columella is not exactly truncated, but rather contorted, and forms a prominent angle, which appears similar to the truncated columella of the true *Achatinas*. To this same group may be referred another very distinct and beautiful species, collected by Mr. Lattre in Central America, and making, like all formerly described species, part of the rich collection of Mr. Cuming.

10. ACHATINA LATTREI, Pfr. Ach. testâ glandiformi, lævissimâ, nitidâ, fulvâ, strigis castaneis leviter arcuatis irregulariter ornatâ; spirâ brevi, conoided, acutiusculâ; anfractibus 7 planis, ultimo $\frac{3}{4}$ longitudinis ferè æquante; columellâ callosâ, contortâ, extus subtruncatâ; aperturâ angustissimâ, basi dilatatâ; peristomate simplice, obtuso, margine dextro antrorsum leviter arcuato.

Long. 38, diam. 14 mill.

A paper by Dr. Philippi was then read, containing "Descriptions of a new species of *Trochus*, and of eighteen new species of *Littorina*, in the collection of H. Cuming, Esq.":—

TROCHUS CUMINGII. *Tr. testá latè conicá, umbilicatá, acutá, carneo-cinereá; anfractibus convexiusculis, transversè striatis, et serie triplici spinularum ornatis; spinis supremis solidis compressis, medianis fornicatis majoribus, infimis fornicatis confertissimis; aperturá suborbiculari, violacescente; margine umbilici acuto, prominente.*

Altit. 8, diam. 8, altit. aperturæ $4\frac{3}{4}$ lin.

Hab. Guimaras, insula Philippinarum.

This very interesting species was found on rocks at high water-mark; its operculum is orbicular, horny, and consists of 5–6 volutions.

1. *LITTORINA LEMNISCATA*. *Lit. testá parvâ, ovato-oblongâ, nigrâ, striis transversis et lineâ triplici, elevatâ, moniliformi sculptâ; anfractibus planiusculis; basi nodulosâ; aperturâ spiram non æquante, nigrâ, basi albo-fasciatâ; columellâ depressâ, basi sub-effusâ.*

Altit. $4\frac{1}{2}$, diam. 3, altit. aperturæ $2\frac{1}{2}$ lin.

Hab. Cuba?

2. *LITTORINA ASPERA*. *Lit. testá oblongâ, acutâ, crassâ, fuscescente, lineis nigricantibus longitudinalibus obliquis pictâ, ad basin sub-angulatâ; anfractibus parùm convexis, liris elevatis transversis sculptis; aperturâ ovatâ, fuscâ, fasciis duabus albidis; labro intus albedo, fusco-punctato.*

Altit. 8, diam. $5\frac{1}{2}$, altit. aperturæ $4\frac{1}{2}$ lin.

Hab. Ad oram occidentalem Americæ borealis (from Sitka, New Albion, found on rocks at low water by Mr. Barclay; from Mexico, found by Hegewisch; from Conchagua, province of San Salvador, Central America, Cuming). By the character of its aperture, this species belongs to the group of *L. ziczac*, *L. zebra* (*Phasianella peruviana*, Lamarck), and is easily distinguished from all allied species by its sculpture.

3. *LITTORINA PICTA*. *Lit. testá parvâ, ovatâ, acutâ, basi obscure angulatâ, transversim striatâ; fasciâ ad partem superiorem anfractuum, aliâque ad basin albis, lineis fuscis longitudinalibus pictis; aperturâ semiorbiculari, fuscâ, basi albo-fasciatâ; columellâ satis compressâ ferè rectilineâ.*

Altit. 4, diam. 3, altit. aperturæ $2\frac{1}{2}$ lin.

Hab. ad insulas Sandwich.

Var. β . *Anfractibus supernè angulatis, parte medianâ anfractûs ultimi albedo-marmoratâ.*

This species has nearly the shape and size of *L. Basteroti* (*Turbo petraeus*, *Turbo cærulescens*, etc.), which I believe the true *Turbo neritoides* of Linnæus, and the colouring of the interrupted variety of *L. ziczac*.

4. *LITTORINA PORCATA*. *Lit. testá parvâ, ovatâ, obtusiusculâ, umbilicatâ, è cærulescente-albidâ, lineis elevatis distantibus porcatâ;*

aperturâ magnâ, ovatâ, semiorbiculatâ; faucibus fuscis, albo-bifasciatis; limbo labri albo.

Altit. 3, diam. $2\frac{1}{2}$, altit. aperturæ 2 lin.

Hab. ad insulas Gallapagos (on high exposed rocks); Cuming.

5. LITTORINA SITKANA. *Lit. testâ transversim ovatâ, obtusiusculâ, castaneâ, transversim grossè sulcatâ; anfractibus rotundatis, ultimo dilatato; aperturâ ovatâ, patulâ; columellâ albâ, vix dilatâ, sulco umbilicari exaratâ.*

Altit. 6, diam. 6, altit. aperturæ $4\frac{1}{2}$.

Hab. ad Sitka, Nova Albion (on rocks, half-tide); collected by Mr. Barclay.

Very nearly allied to *L. groenlandica*, but more depressed, blunt, the aperture more dilated. The elevated transverse lines are three in number on the upper volutions, about twelve on the last.

6. LITTORINA GLABRATA. *Lit. testâ ovato-oblongâ, acutâ, albido-carned, strigis pallidè fuscis obliquis pictâ; anfractibus parùm convexis, lævibus, supremis sub lente lineis impressis 6-8 exaratis, ultimo basi angulato; aperturâ ovatâ, rufâ; columellâ depressâ, violaceâ.*

Altit. $8\frac{1}{2}$, diam. 6, altit. aperturæ $4\frac{1}{2}$ -5 lin.

Hab. ad Payta Peru (on rocks, half-tide); Cuming. Ad Caput Natale (Wahlberg).

Perhaps only a variety of *L. obesa*, Sow., though easily distinguished by the pale oblique longitudinal lines: very like *L. ziczac*, D'Orb. (non Chemn.)

7. LITTORINA LÆVIS. *Lit. testâ ovato-oblongâ, acutâ, albidd, cinereo-marmoratâ; anfractibus parùm convexis, lævissimis (sub lente fortiori vix tenuissimè striatis); ultimo basi obscure angulato; aperturâ ovatâ, fusco-violaceâ, basi albido-fasciatâ; columellâ depressâ, violaceâ.*

Altit. $8\frac{1}{2}$, diam. 6, altit. aperturæ 5 lin.

Hab. Unknown.

This species scarcely differs, except in colouring, from *L. obesa*.

8. LITTORINA DEBILIS. *Lit. testâ parvâ, ovato-oblongâ, acutâ, tenui, cærulescente-albidd, interdum lineis obliquis pallidissimè fuscis pictâ, apice obscuro; anfractibus læviusculis (sub lente lineis confertis impressis sculptis), ultimo basi angulato; aperturâ ovato-oblongâ, rufâ, basi productâ et subangulatâ; columellâ parùm depressâ, fuscescente.*

Altit. $4\frac{1}{2}$, diam. 3, altit. aperturæ $2\frac{1}{2}$ lin.

Hab. Unknown.

A *L. glabrata* in miniature; it differs however essentially from that species by its aperture, which is produced into a distinct angle at the base.

9. LITTORINA SAYI. *Lit. testâ ovato-oblongâ, acutâ, solidiusculâ, transversim multisulcatâ, albâ, punctis pallidè rufis ornatâ; spirâ violacescente; anfractibus convexiusculis, suturâ profundâ divisâ; aperturâ ovato-orbiculari; columellâ rufâ; labro intus albo.*

Altit. 9, diam. $6\frac{1}{2}$, altit. aperturæ 5 lin.

Hab. ad Floridam (communicated by Say).

Very nearly allied to *L. irrorata*, but thinner, more slender, the aperture not narrowed, nor the outer lip mottled within.

10. LITTORINA MODESTA. *Lit. testâ ovato-oblongâ, acutâ, tenuiusculâ, albidâ, aut obsoletè rufo-punctatâ, profundè transversim sulcatâ; anfractibus convexiusculis, suturâ profundâ divisâ, ultimo haud carinato; aperturâ semiorbiculari, luteâ vel fusco infusmatâ; columellâ ferè rectilinéâ, dilatatâ, depressâ, infuscatâ; anfractu ultimo ad columellam eroso.*

Altit. 8, diam. 6, altit. aperturæ 5 lin.

Hab. ad Sitka, Nova Albion (on rocks, half-tide), Mr. Barclay; ad insulam Mauritii, Capt. Caldwell.

This species has the sculpture of *L. aspera*, the shape and colour of *L. Sayi*.

11. LITTORINA INTERMEDIA. *Lit. testâ oblongo-conicâ, basi ventricosâ, tenui, varii coloris, lineis impressis circa 8 in anfractu penultimo exarata, lævi; anfractibus convexis, ultimo rotundato haud carinato; aperturâ ovatâ; columellâ albâ vel violacêâ, foveâ exarata.*

Altit. 10, diam. $7\frac{1}{2}$, altit. aperturæ $5\frac{1}{2}$ lin. et minor.

Hab. Mare Rubrum, ad oram Natal; Swan Point, in Novâ Hollandiâ boreali; Jimamailan, in insula Negrorum; Tahiti; insula Elisabeth in Oceano Pacifico (Cuming).

This species is intermediate between *L. scabra* (*Helix scabra*, L. not auct.) and *L. angulifera*, Lamk., not Quoy and Gaim.; it has the shape and colouring of the latter, which is easily known by its very numerous impressed spiral lines. With *L. scabra* it agrees in the number of the impressed lines, but differs by its smoothness to feeling and by the absence of the basal keel. This latter character distinguishes it from *L. luteola*, Q. et G., a species which, however, I have not seen in nature. It is very variable in colouring, and we may distinguish principally the following varieties:—

1. punctata, testâ lutescente aut rufescente, lineis transversis fuscis irregulariter interruptis punctatâ.
2. articulata, testâ interstitiis sulcorum regulariter albido et fusco articulatis. (From Swan Point; only 6 lin. high.)
3. strigata, testâ in fundo flavescente strigis latis, irregularibus nigris ornatâ. (From Jimamailan; only 6 lin. high.)

12. LITTORINA CONICA. *Lit. testâ tenuissimâ, oblongâ, exactè conicâ, basi carinatâ, confertim et obsoletè transversim striatâ, albidâ, unicolore vel fusco pictâ; aperturâ ovatâ, perobliquâ; columellâ basi rectâ, excavatâ.*

Altit. 10, diam. $7\frac{1}{2}$, altit. aperturæ 6 lin.

Hab. Insula Java.

13. LITTORINA TENUIS. *Lit. testâ ovato-oblongâ, acutâ, tenuissimâ, tenuissimè transversim striatâ, carneo-albidâ, lineis angulatis rufis*

pallidissimis picta; sutura sæpius infuscatâ; anfractibus planiusculis, ultimo basi rotundato, minimè angulato; apertura ovata, concolore; columellâ arcuatâ, vix compressâ.

Altit. 7, diam. $4\frac{2}{3}$, altit. apertura $3\frac{2}{3}$.

Hab. Insula Ticao, Philippinarum (on rocks, high water; Cuming).

14. LITTORINA PALLESCENS. *Lit. testâ oblongâ, subturritâ, solidâ, albâ; anfractibus convexiusculis, superioribus lineis impressis novem, ultimis lineis elevatis obtusis (circa quatuor in anfractu penultimo) sculptis; apertura patulâ, semiorbiculari; columellâ brevi, compressâ.*

Altit. 10, diam. 7, altit. apertura $5\frac{1}{2}$ lin.

Hab. Insula Mindanao (Cagayan, province of Misamis, found on mangrove-trees; Cuming).

This species differs from *L. filosa*, Sow., in being much more solid, in its broader and blunter elevated transverse lines and broad compressed columella.

15. LITTORINA SIEBOLDII. *Lit. testâ oblongâ, subturritâ, tenuiusculâ, flavescente, subunicolore; anfractibus convexiusculis, supremis lineis impressis, inferioribus lineis elevatis confertis, acutiusculis (circa 9 in anfractu penultimo) sculptis; apertura patulâ, semiorbiculari; columellâ compressâ, subcanaliculatâ, albâ.*

Altit. 13, diam. 8, altit. apertura 7 lin.

Hab. Japonia, Siebold.

Perhaps only a variety of *L. scabra*, from which it differs almost only in its high raised transverse ridges and very obscurely angulated base.

16. LITTORINA CINGULATA. *Lit. testâ oblongâ, acutâ, tenui, pallidè griseâ, apice obscuro; anfractibus convexiusculis, suturâ profundâ divisâ, sulcatis; ultimis cingulis elevatis croceis ornatis; basi haud carinatâ; apertura ovata, patulâ; columellâ arcuatâ, albâ, haud compressâ; faucibus albis, rufo-lineatis.*

Altit. 9, diam. $6\frac{1}{2}$, altit. apertura $4\frac{1}{2}$ lin.

Hab. Ad oram borealem Novæ Hollandiæ (found on the mangrove-trees by I. E. Dring, Esq.).

17. LITTORINA SULCULOSA. *Lit. testâ oblongâ, acutâ, tenui, flavescente, fasciis transversis pallidè fuscis pictâ; anfractibus convexiusculis, suturâ profundâ divisâ et sulcis 3-4 exaratis; ultimo subangulato; apertura semiorbiculari, albâ; faucibus fusco-fasciatis; columellâ parùm arcuatâ, compressiusculâ.*

Altit. $8\frac{1}{2}$, diam. $5\frac{1}{4}$, altit. apertura $4\frac{1}{2}$ lin.

Hab. in orâ boreali Novæ Hollandiæ (found on the mangrove-trees by I. E. Dring, Esq.).

The sculpture of this species is exactly like that of *Trochus rostratus*, Gm.

18. LITTORINA? ABERRANS. *Lit. testâ elongatâ, subturritâ, subperforatâ, tenui, obsolete striatâ, albâ; anfractibus rotundatis, suturâ profundâ divisâ, ultimo ventricoso; apertura patulâ, orbi-*

culari-ovatâ, intus nigro-marginatâ; columellâ brevi, tereti, extus reflexâ.

Altit. 8, diam. 5, altit. aperturæ $3\frac{3}{4}$ lin.

Hab. Panama (found on the rocks, half-tide, Cuming).

This species differs by its aperture so much from the other species of *Littorina*, and so nearly resembles a *Bulimus*, that I am very doubtful whether it be placed in its right genus.

ROYAL SOCIETY.

January 22, 1846.—“On the Supra-renal, Thymus and Thyroid Bodies.” By John Goodsir, Esq. Communicated by Richard Owen, Esq., F.R.S. &c.

In this paper, the author enters on the development of the theory he advanced two years ago with regard to the origin and nature of the supra-renal, thymus and thyroid bodies, and the correctness of which, with certain modifications, he has been enabled to confirm by subsequent observation and reflection. His hypothesis was that the three organs in question are the remains of the blastoderma; the thyroid being the development of a portion of the original cellular substance of the germinal membrane grouped around the two branches of the omphalo-mesenteric vein; the supra-renal capsules, the developments of other portions grouped around the omphalo-mesenteric arteries; and the thymus, the development of the intermediate portion of the membrane arranged along the sides of the embryonic visceral cavity. He has since ascertained, however, that the thyroid body derives its origin in a portion of the included *membrana intermedia* remaining in connexion with anastomosing vessels between the first and second aortic arches, or carotid and subclavian vessels. He considers these organs as essentially similar in their structure, as well as in their origin in continuous portions of the blastoderma situated along each side of the spine, and extending from the Wolfian bodies to the base of the cranium: the development of the supra-renal capsules having relation to the omphalo-mesenteric vessels; the thymus, to the jugular and cardinal veins and ductus Cuvieri; and the thyroid gland, to the anastomosing branches of the first and second aortic arches. The functions of these organs he regards as being analogous to those of the blastoderma; with this difference, however, that as the blastoderma not only elaborates nourishment for the embryo, but absorbs it also from without, that is, from the yolk, the developed organs only elaborate the matter which has already been absorbed by the other parts, and is now circulating in the vessels of the more perfect individual.

Feb. 5.—“On the Secretory Apparatus and Function of the Liver.” By C. Handfield Jones, M.D. Communicated by Sir Benjamin C. Brodie, Bart., F.R.S.

The author is led by his researches into the minute structure of the liver, to results which confirm the view of Mr. Bowman, in opposition to those of Mr. Kiernan on this subject; and particularly with regard to the absence of real tubercular ducts from the interior of the lobules. He concludes that the secreting process commences